If there are any questions regarding this Preliminary Amendment or this application in general, a telephone call to the undersigned would be appreciated since this should expedite the prosecution of the application for all concerned.

Respectfully submitted,

Date: January 2, 2002

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## -- ABSTRACT OF THE DISCLOSURE

An imaging system for motor vehicles has a holographic screen, which scatters incident narrow band light at a predetermined solid angle, and a modulator and a lens to project images on the holographic screen. A holographic, transparent ray uniter, which allows broad band ambient light to pass through essentially unimpeded, guides the narrow band light, coming from the holographic screen, to the viewer, whereby a virtual image is produced at the viewing location by means of an imaging function. Images from the outside of the motor vehicle are shot by means of a camera system and are faded as virtual images into the windshield of the motor vehicle in order to enable there additionally a view to the rear or to the side.--

4.4

## VERSION WITH MARKINGS TO SHOW CHANGES MADE

Please amend claims 1-17 as follows:

1. (AMENDED) [Imaging] An imaging system for motor vehicles, comprising

a projector [(14, 15)], [and]

a holographic ray uniter [(11, 11', 11")], which guides narrow band light to a viewer [(17)] to produce a virtual image [(16, 16', 16")] at the viewing location,

[characterized by]

a holographic screen [(13)], which is produced by means of holographic shooting of a real screen and which scatters incident narrow band light of one or more wavelengths at a predetermined solid angle,

[whereby] wherein the projector [(14, 15)] projects the light onto the holographic screen [(13)] to produce [there] real images on said holographic screen, [and] wherein the holographic ray uniter [(11, 11', 11")] is transparent to broad band ambient light[;], and wherein the narrow band light, scattered by the holographic screen [(13)], is guided to the viewer [(17)].

2. (AMENDED) [Imaging] The imaging system, as claimed in claim 1, [characterized by] wherein a camera system, which is coupled to the projector, [to shoot] shoots images outside the motor vehicle to enable the view to at least one of the rear and [/ or to] the side.

- 3. (AMENDED) [Imaging] The imaging system, as claimed in claim 1 [or 2], [characterized in that] wherein the holographic ray uniter [(11, 11', 11")] is arranged, from the viewer's view, at least one of, in front of and [/ or] on, the windshield [(12)] of the motor vehicle.
- 4. (AMENDED) [Imaging] The imaging system, as claimed in [one or more of the preceding claims] claim 1, [characterized in that] wherein the ray uniter [(11, 11', 11")] is [designed as] a holographic mirror.
- 5. (AMENDED) [Imaging] The imaging system, as claimed in [one or more of the preceding claims] claim 1, [characterized in that] wherein the ray uniter [(11, 11', 11")] is [designed as] a ray deflector with lens function.
- 6. (AMENDED) [Imaging] The imaging system, as claimed in [one or more of the preceding claims] claim 1, [characterized in that] wherein the projector [(14, 15)] comprises lasers with the primary colors red, green and blue.
- 7. (AMENDED) [Imaging] The imaging system, as claimed in [one or more of the preceding claims] claim 1, [characterized in that] wherein the projector [(14, 15)] comprises an image modulator [(14), in particular ferroelectric liquid modulators and / or micro mirror devices].

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8. (AMENDED) [Imaging] The imaging system, as claimed in [one or more of the preceding claims] claim 1, [characterized in that] wherein the ray

uniter [(11, 11', 11")] is disposed on a transparent plate.

9. (AMENDED) [Imaging] The imaging system, as claimed in [one or

more of the preceding claims] claim 1, [characterized in that] wherein the

holographic ray uniter [(11, 11', 11")] and the holographic screen [(13)] are

arranged in such a manner that the virtual image appears for the viewer [(17)]

enlarged behind the windshield [(12)] of the motor vehicle[, preferably] at a

distance of at least 1.5 meters to the viewer, especially preferred at a distance of

at least 3 meters].

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10. (AMENDED) [Imaging] The imaging system, as claimed in [one or

more of the preceding claims] claim 1, [characterized by] further comprising a

device for coupling the imaging to [vehicle control functions and / or] the motor

vehicle control functions.

11. (AMENDED) [Imaging] The imaging system, as claimed in [one or

more of the preceding claims] claim 1, [characterized in that] wherein at least

one of the ray uniter [(11, 11', 11")] and [/ or] the holographic screen [(13)] is [/

are designed and arranged in such a manner that the light cone coming from the

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ray uniter [(11, 11', 11")] is limited to the possible dwelling space of the viewer's [(17)] eyes.

- 12. (AMENDED) [Imaging] The imaging system, as claimed in [one or more of the preceding claims] claim 1, [characterized in that] wherein at least one of the ray uniter [(11, 11', 11")] and [/ or] the holographic screen [(13)] is [/ are] designed and arranged in such a manner that they exhibit an imaging function.
- 13. (AMENDED) [Method] A method for displaying images in motor vehicles [with] comprising the steps of:

[Project] projecting images on a holographic screen [(13)]; [and guide] guiding the light rays, coming from the holographic screen [(13)], into a viewer's [(17)] eyes, [whereby] producing virtual images [(16, 16', 16") are produced] in a surface cutout of the windshield [(12)] of the motor vehicle by means of a hologram[, whose purpose is ray deflection [(11, 11', 11") and which is] connected in series to the holographic screen [(13)] to provide ray deflection.

14. (AMENDED) [Method] A method for displaying images in motor vehicles [with] comprising the steps of:

[Project] <u>projecting</u> narrow band light of one or more wavelengths on a holographic screen [(13)], which is produced by holographic shooting of a real screen, to produce a real image on the holographic screen [(13)], and

[guide] guiding the light rays, scattered by the holographic screen [(13)] at a predetermined solid angle, into a viewer's [(17)] eye,

whereby the light rays are deflected through a hologram and produce a virtual image at the viewer [(17)], while simultaneously broad band light of the environment lying behind the hologram passes through the hologram.

- 15. (AMENDED) [Method,] The method as claimed in claim 13 [or 14], wherein images [(16, 16', 16")] of the view [to] from at least one of the rear and [/ or from] the perspective of the motor vehicle side mirrors are faded into the peripheral area of the windshield [(12)].
- 16. (AMENDED) [Method,] The method as claimed in [one or more of the claims] claim 13 [to 15], wherein the angular distance between the visual axis in the direction of travel and the virtual image [(16, 16', 16")] is less than 30 degrees[, preferably approximately 10 degrees].
- 17. (AMENDED) [Method,] <u>The method</u> as claimed in [one or more of the claims] <u>claim</u> 13 [to 16], wherein <u>at least one of</u> the rear and [/ or] side

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images from the motor vehicle are displayed as a function of the driving state or the motor vehicle control functions.